

AMENDMENTS TO THE CLAIMS:

This listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF CLAIMS:

Claims 1-11 (Canceled).

12. (Currently Amended) A device for measuring angular positions using radar pulses and mutually overlapping antenna beam characteristics, comprising:

at least two antenna elements;

a phase shifter arranged in a signal path of at least one of the at least two antenna elements, wherein the phase shifter is configured to switch between different phase states in a time-division multiplexing manner to change a radiation characteristic of the at least one of the at least two antenna elements; ~~and~~

an evaluation unit to jointly evaluate signals received from the at least two antenna elements;

a 180⁰ hybrid phase setting element to connect the at least two antenna elements; and
a transfer switch arranged at an output of the 180⁰ hybrid phase setting element for evaluating a composite beam and a differential beam of at least two antenna elements via a mixer in time-division multiplexing.

13. (Previously Presented) The device of claim 12, wherein the device is configured to obtain an angle of a target by comparison of relative amplitude changes and phase changes of radar pulses in a receiving path in at least two switching states of the phase shifter.

14. (Previously Presented) The device of claim 13, wherein the phase shifter is configured to assume phase states 0⁰ and 180⁰.

Claims 15-16 (Canceled).

17. (Previously Presented) The device of claim 12, wherein the device is configured to set a switch-over time of the phase shifter with a switch-over time between two beam

characteristics so that a relative motion of a target and antenna element carriers is at least one of negligible and compensated in the evaluation.

18. (Previously Presented) The device of claim 12, wherein the device is configured to set a switch-over time of the phase shifter with a switch-over time between two radiation characteristics for application of a homodyne operation.

19. (Previously Presented) The device of claim 17, wherein the device is configured to operate in a GHz range and the switch-over time is set in a range of 5 to 50 μ s.

20. (Previously Presented) The device of claim 18, wherein the device is configured to operate in a GHz range and the switch-over time is set in a range of 5 to 50 μ s.

21. (Previously Presented) The device of claim 12, further comprising:

at least a third and a fourth antenna elements arranged with the at least two antenna elements to form a row and column arrangement of at least two groups of antenna elements that are evaluated jointly and simultaneously for at least one of an elevation focusing and azimuth focusing,

wherein the phase shifter is configured to be switchably assigned to at least one group of the at least two groups of antenna elements.

22. (Previously Presented) The device of claim 21, wherein the phase shifter is configured as at least one of a PIN diode phase shifter and a MEMS phase shifter.

23. (Previously Presented) The device of claim 12, wherein high-frequency components that require assembly are applied to only one side of a printed-circuit board facing away from the antenna elements.